Issue Date: 07/30/2012 Revision #: 2

Part No.: 33-XXX-12D-RASXNP

## 33-XXX-12D-RASXNP

### Scope

This document establishes the specification requirements for a distribution fiberoptic cable. This cable construction consists of multimode OM2 fibers in a distribution tight-buffered design with a plenum rated jacket.

# Tight Buffered -Outer Jacket

## **Applications**

Plenum Indoor

## **Applicable Documents**

TIA/EIA FOTP Standards 455

- Color Coding of Fiber Optic Cables TIA/EIA-598
- UL 910
- GR-409-CORE

#### Overall Cable Construction

- Tight Buffered Fiber
- Dimension: 900µm, nominal. Tight buffered fiber color code: 1-blue, 2-orange, 3-green, 4-brown, 5-slate, 6-white, 7-red, 8-black, 9-yellow, 10-violet, 11-rose, and 12-aqua.
- Sub-unit consists of aramid yarns that are pulled in with the tight-buffered fibers under a sub-unit jacket that is uniquely identified. Cable strength Member

Fiberglass Epoxy Rod (dielectric)

- An up coat of plenum material (if necessary per construction for symmetry).

Sub-units and fillers (if needed) are stranded around the CSM, using reverse oscillation.

- A non-wicking and non-hygroscopic tape is applied longitudinally with a nominal 25% overlap.
- Binder yarns are applied over the core tape.
- · Outer Sheath

Aqua plenum rated Remguard? jacket (or color per customer request)

Cable Markings

REMFO 33 SERIES, FIBER OPTIC CABLE, XX (denotes number of fibers)-50/125, OM2 10GIG, REMEE PRODUCTS CORP., MM/YY (month & year of manufacture), OFNP C(ETL)US, Sequentially marked.

• Special print as required by customer.

#### Fiber Attenuation



<=3.0/1.0 dB/km

#### Fiber Bandwidth

>=750/500MHz-km

#### Mechanical & Environmental Performance

Maximum Tensile Load for:
- Installation: 2700N / 607lbf
- Long Term: 890N / 200lbf
Minimum bending radius:
- Loaded: 20 x diameter
- Unloaded: 10 x diameter
Crush Resistance: 220N/cm

Impact Resistance: 25 Impacts (min.) Flexing, ±90°: 25 Cycles (min.)

Temperature Rating: Operation, -20°C to +85±C Installation, 0°C to +75±C Storage, -40°C to +85±C

## **Preparation for Shipment**

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available.

# Warranty Info

All warranty information can be viewed at www.remee.com. This product is RoHS compliant and is directive 2002/95/EC. It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.